

WHAT IS CLAIMED IS:

Claims 1-3 (Canceled)

5 Claim 4 (Currently Amended) A coated article comprising:

A) a substrate;

B) one or more dielectric layers sputter  
deposited over the substrate comprising:

10 i) first dielectric film comprising at least  
one film of:

zinc oxide ,

silicon oxide ,

tin oxide ,

silicon nitride ,

15 silicon oxynitrate , or

an oxide of an alloy of zinc and tin having zinc in  
a weight percent range of equal to or greater than 10 and  
equal to or less than 90, and tin in the weight percent range  
of equal to or less than 90 and equal to or greater than 10, ,  
20 and

ii) a second dielectric film deposited over  
the first dielectric film, the second dielectric film  
comprising at least :

25 a zinc oxide, tin oxide film, wherein the zinc  
oxide, tin oxide film has tin in the weight percent range of  
greater than 0 and less than 10 and the majority of the  
balance zinc, and

C) one or more infrared reflective layers  
deposited on at least one of the dielectric layers.

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Claim 5 (Currently Amended) The coated article of claim 4  
wherein the infrared reflective layer is silver and the second  
dielectric film is the zinc oxide, tin oxide film as an  
electrical enhancing film.

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Claim 6 (Canceled)

Claim 7 (Currently Amended) The coated article of claim 4 wherein there is a first infrared reflective layer, and a first and a second dielectric layer, and further including:

5 a metal primer layer; . . . the coated article is characterized by the first dielectric layer being over the substrate, the metal primer layer being over the first infrared reflective layer and the second dielectric layer being over the primer.

10 Claim 8 (Canceled)

Claim 9 (Currently Amended) The coated article of claim 7 wherein the primer layer is a first primer further comprising:

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a second infrared reflective layer over the second dielectric layer;

a second metal primer layer over the second infrared reflective layer; and

20 a third dielectric layer over the second metal primer layer.

Claim 10 (Canceled)

25 Claim 11 (Currently Amended) The coated article of claim 9 and further comprising:

a protective layer as a last layer on the substrate.

30 Claim 12 (Canceled)

Claim 13 (Currently Amended) The coated article of claim 7 wherein the first dielectric film of the second dielectric layer has zinc in the weight percent range of equal to or  
35 greater than 60 and equal to or less than 90 and tin in the weight percent of equal to or greater than 10 and equal to or less than 40.

Claims 14 and 15 (Canceled)

Claim 16 (Currently Amended) The coated article of claim 9  
5 wherein the first dielectric film of the third dielectric  
layer has zinc in the weight percent range of equal to or  
greater than 60 and equal to or less than 90 and tin in the  
weight percent range of equal to or greater than 10 and equal  
to or less than 40.

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Claims 17-19 (Canceled)

Claim 20 (Currently Amended) The coated article of claim 7  
wherein the second dielectric layer further includes a third  
15 dielectric film over the second dielectric film.

Claim 21 (Currently Amended) The coated article of claim 20  
wherein the third dielectric film of the second dielectric  
layer is selected from zinc oxide film; zinc oxide, tin  
20 oxide film; and a film of an oxide of an alloy of zinc and tin

Claims 22 and 23 (Canceled)

25 Claim 24 (Currently Amended) The coated article of claim 9  
wherein the substrate is a glass sheet and the first  
dielectric film of the first dielectric layer is on the glass  
sheet and has a thickness in the range of  $230 \pm 40$  (Å); the  
second dielectric film of the first dielectric layer is on the  
30 first dielectric film of the first dielectric layer and has a  
thickness in the range of  $80 \pm 40$  Å; the first infrared  
reflective metal layer is a first silver film deposited on the  
second dielectric film of the first dielectric layer and has a  
thickness in the range of  $110 \pm 30$  Å, the first metal primer  
35 layer is a titanium containing film deposited on the first  
silver layer and has a thickness in the range of 17-26 Å; the  
first dielectric film of the second dielectric layer is

deposited on the titanium containing film and has a thickness in the range of  $80 \pm 40 \text{ \AA}$ ; the second dielectric film of the second dielectric layer is deposited on the first dielectric film of the second dielectric layer and has a thickness in the  
5 range of  $740 \pm 40 \text{ \AA}$ ; the second infrared reflective metal layer is a second silver film deposited on the second dielectric film of the second dielectric layer and has a thickness in the range of  $110 \pm 38 \text{ \AA}$ ; the second primer metal layer is a titanium containing film deposited on the second  
10 silver layer and having a thickness in the range of  $18 - 31 \text{ \AA}$ ; the first dielectric film of the third dielectric layer is deposited on the second titanium containing film and has a thickness in the range of  $80 \pm 40 \text{ \AA}$ ; the second dielectric film of the third dielectric layer is deposited on the first  
15 dielectric film of the third dielectric layer and has a thickness in the range of  $120 \pm 40 \text{ \AA}$ , and further comprising a protective layer of titanium containing film deposited on the third dielectric layer and has a thickness in the range of  $29 \pm 3 \text{ \AA}$ .

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Claims 25-29 (Canceled)

Claim 30 (Currently Amended) The coated article of claim 29 wherein the alloy oxide film of the first dielectric film of  
25 the third dielectric layer has zinc in the weight percent range of equal to or less than 90 and greater than 60 and tin in the weight percent range of equal to or greater than 10 and equal to or less than 40.

30 Claims 31-33 (Canceled)

Claim 34 (Currently Amended) The coated article of claim 4 wherein the coated article is a transparency.

35 Claim 35 (Original) The coated article of claim 34 wherein the coated article is an automotive transparency.

Claim 36 (Currently Amended) The coated article of claim 35 wherein the automobile transparency is an automotive windshield having a pair of glass sheets laminated together and one of the sheets is the substrate having the coating.

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Claim 37 (Withdrawn) A method of making an automobile transparency comprising:

applying a coating on a glass substrate having the following:

10 a first dielectric layer over a glass substrate;

a first infrared reflecting metal layer over the first dielectric film:

a first metal primer layer over the first reflective layer;

15 a second dielectric layer over the first metal primer layer;

a second infrared reflective layer over the second dielectric layer;

20 a second metal primer layer over the second infrared reflective layer;

a protective film overlying the first zinc stannate film of the third dielectric layer, wherein at least one of the dielectric layers includes a first dielectric film selected from the group consisting of zinc oxide, tin oxide and a first zinc stannate film and a second dielectric film including a second zinc stannate film having a composition different than the first zinc stannate film and a composition of 10-90 weight percent zinc and 90-10 weight percent tin;

25 processing the coated substrate to provide a coated windshield blank wherein the processing step includes heating the coated substrate to its bending temperature and after heating the coating has reduced haze;

laminating the coated blank to another piece of glass to provide the automobile windshield.

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Claims 38-58 (Canceled)

Claim 59 (New) The coated article of claim 4 wherein there is one infrared reflective layer, one dielectric layer, and further comprising:

a metal primer layer;

5 a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin over the primer layer, the coated article is characterized by the dielectric layer being over the substrate, the infrared reflective layer being over the dielectric layer, the metal  
10 primer layer being over the infrared reflective layer, and the film of an oxide being over the metal primer layer.

Claim 60 (New) The coated article of claim 4 wherein there are first and second infrared reflective layers, first and second  
15 dielectric layers, and further comprising:

first and second metal primer layers; and

a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin over the primer layer, the coated article is characterized by the first  
20 dielectric layer being over the substrate, the first infrared reflective layer being over the first dielectric layer, the first metal primer layer being over the first infrared reflective layer, the second dielectric layer being over the first primer layer, the second silver layer being over the  
25 second dielectric layer, the second primer layer being over the second silver layer, and the third dielectric layer being over the second primer layer.

Claim 61 (New) The coated article of claim 4 wherein there are  
30 first and second infrared reflective layers, first and second dielectric layers, and further comprising:

first and second metal primer layers; and

a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin over the  
35 primer layer, the coated article is characterized by the first dielectric layer being over the substrate, the first infrared reflective layer being over the first dielectric layer, the

first metal primer layer being over the first infrared reflective layer, the second dielectric layer being over the first primer layer, the second silver layer being over the second dielectric layer, the second primer layer being over  
5 the second silver layer, and the film of an oxide of an alloy of zinc and tin being over the second primer layer.

Claim 62 (New) The coated article of claim 4 wherein there are first and second infrared reflective layers, first and second  
10 dielectric layers, and further comprising:

first and second metal primer layers; and

a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin over the primer layer, the coated article is characterized by the first  
15 dielectric layer being over the substrate, the first infrared reflective layer being over the first dielectric layer, the first metal primer layer being over the first infrared reflective layer, the film of an oxide of an alloy of zinc and tin being over the first primer layer, the second silver layer  
20 being over the second dielectric layer, the second primer layer being over the second silver layer, and the second dielectric layer being over the second primer layer.